

***In the Claims:***

1 (Cancelled).

2 (New): A composition comprising at least two isolated recombination proteins, at least one first nucleic acid molecule comprising a first recombination site and a second recombination site wherein said first and second recombination sites do not recombine with each other, and at least one second nucleic acid molecule comprising a first recombination site and a second recombination site wherein said first and second recombination sites do not recombine with each other.

3 (New): The composition of claim 2, wherein said first nucleic acid molecule is a circular nucleic acid molecule.

4 (New): The composition of claim 2, wherein said first nucleic acid molecule is a linear nucleic acid molecule.

5 (New): The composition of claim 2, wherein said second nucleic acid molecule is a circular nucleic acid molecule.

6 (New): The composition of claim 2, wherein said second nucleic acid molecule is a linear nucleic acid molecule.

7 (New): The composition of claim 2, wherein said second nucleic acid molecule further comprises (a) at least one toxic gene and (b) at least one selectable marker, wherein said at least one toxic gene and said at least one selectable marker are on different nucleic acid segments, the nucleic acid segments being separated from each other by at least one recombination site.

8 (New): The composition of claim 2, wherein said recombination proteins are selected from the group consisting of  $\gamma\delta$ , Tn3 resolvase, Hin, Gin, Cin, and Flp.

9 (New): The composition of claim 2, wherein said recombination proteins are selected from the group consisting of Int, IHF, Xis and Cre.

10 (New): The composition of claim 2, wherein said recombination proteins are selected from the group consisting of Int, IHF and Xis.

11 (New): The composition of claim 2, wherein at least one of said recombination proteins is Int.

12 (New): The composition of claim 2, wherein at least one of said recombination proteins is encoded by an organism selected from the group consisting of bacteriophage lambda, phi 80, P22, P2, 186, P4 and P1.

13 (New): The composition of claim 2, wherein at least one of said recombination proteins is encoded by bacteriophage lambda.

14 (New): The composition of claim 2, wherein at least one of said recombination proteins is encoded by *Bacillus thuringiensis*.

15 (New): The composition of claim 2, wherein said composition comprises Int and IHF.

16 (New): The composition of claim 15, wherein said composition further comprises Xis.

17 (New): The composition of claim 2, wherein said composition comprises two recombination proteins.

18 (New): The composition of claim 2, wherein said composition comprises at least three recombination proteins.

19 (New): The composition of claim 17, wherein said two recombination proteins are different from each other.

20 (New): The composition of claim 18, wherein said at least three recombination proteins are different from each other.

21 (New): A kit comprising at least two isolated recombination proteins, at least one first nucleic acid molecule comprising a first recombination site and a second recombination site wherein said first and second recombination sites do not recombine with each other, and at least one second nucleic acid molecule comprising a first recombination site and a second recombination site wherein said first and second recombination sites do not recombine with each other.

22 (New): The kit of claim 21, wherein said at least one first nucleic acid molecule is a circular nucleic acid molecule.

23 (New): The kit of claim 21, wherein said at least one first nucleic acid molecule is a linear nucleic acid molecule.

24 (New): The kit of claim 21, wherein said at least one second nucleic acid molecule is a circular nucleic acid molecule.

25 (New): The kit of claim 21, wherein said at least one second nucleic acid molecule is a linear nucleic acid molecule.

26 (New): The kit of claim 21, wherein said at least one second nucleic acid molecule further comprises (a) at least one toxic gene and (b) at least one selectable marker, wherein said at least one toxic gene and said at least one selectable marker are on different nucleic

acid segments, the nucleic acid segments being separated from each other by at least one recombination site.

27 (New): The kit of claim 21, wherein said recombination proteins are selected from the group consisting of  $\gamma\delta$ , Tn3 resolvase, Hin, Gin, Cin, and Flp.

28 (New): The kit of claim 21, wherein said recombination proteins are selected from the group consisting of Int, IHF, Xis and Cre.

29 (New): The kit of claim 21, wherein said recombination proteins are selected from the group consisting of Int, IHF and Xis.

30 (New): The kit of claim 21, wherein at least one of said recombination proteins is Int.

31 (New): The kit of claim 21, wherein at least one of said recombination proteins is encoded by an organism selected from the group consisting of bacteriophage lambda, phi 80, P22, P2, 186, P4 and P1.

32 (New): The kit of claim 21, wherein at least one of said recombination proteins is encoded by bacteriophage lambda.

33 (New): The kit of claim 21, wherein at least one of said recombination proteins is encoded by *Bacillus thuringiensis*.

34 (New): The kit of claim 21, wherein said kit comprises Int and IHF.

35 (New): The kit of claim 34, wherein said kit further comprises Xis.

36 (New): The kit of claim 21, wherein said kit comprises at least two recombination proteins.

37 (New): The kit of claim 21, wherein said kit comprises at least three recombination proteins.

38 (New): The kit of claim 36, wherein said two recombination proteins are different from each other.

39 (New): The kit of claim 37, wherein said at least three recombination proteins are different from each other.